



COMMONWEALTH of VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE


CENTRAL LABORATORY  
A Nationally Accredited Laboratory

700 NORTH 5TH STREET  
RICHMOND, VIRGINIA 23219  
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II  
SERIAL NUMBER: 010434  
CERTIFICATION DATE: October 8, 2013  
DATE RECERTIFICATION DUE: April 6, 2014

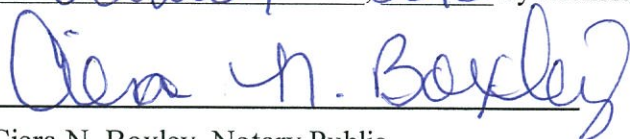
The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.



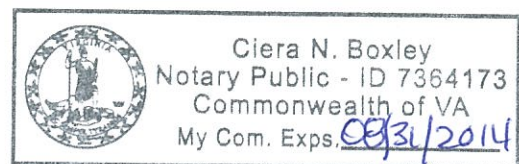
Melissa Kennedy  
Program Manager, Calibration & Training

CITY OF RICHMOND  
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 25<sup>th</sup> day of  
October, 2013 by Melissa Kennedy



Ciera N. Boxley, Notary Public



My commission expires: August 31, 2014



**Department of Forensic Science**  
**Breath Alcohol Section**  
**Instrument Maintenance History**  
**1/1/1990 To 10/9/2013**

*[Handwritten Signature]*  
*[Handwritten Initials]*

<b>Instrument Serial Number:</b> <b>010434</b>	<b>As of 09-Oct-13</b>
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Maintenance	Certification	Technician	
Date	Date	Initials	Remarks
08-Oct-13	08-Oct-13	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED, REPLACED DRY GAS STANDARD.
21-May-13	21-May-13	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
14-Jan-13	14-Jan-13	TLN (25387)	CERTIFIED.
01-Nov-12	01-Nov-12	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
10-Mar-10	10-Mar-10	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED
15-Sep-09	15-Sep-09	DBH (21250)	CERTIFIED.
25-Mar-09	25-Mar-09	RJP (22428)	CALIBRATED AND CERTIFIED.
20-Mar-09	20-Mar-09	MSK (21355)	REPLACED TANK TOP LID, CERTIFIED.
18-Mar-09	18-Mar-09	RJP (22428)	FIRMWARE/SOFTWARE UPGRADE. CERTIFIED.
26-Feb-09	26-Feb-09	RJP (22428)	CALIBRATED, CERTIFIED AND ACCEPTED.

AND  
WJL

# INTOX EC/IR II

## Quality Assurance Worksheet

Instrument Serial Number 010434 Worksheet Start Date 10/8/2013

Location Prince William County Adult Detention Center

Address 9320 Lee Ave., Manassas, VA 20110

DFS Technician Heather Stanton License No. 18910

☐ Laboratory ☒ On-Site

### Site Specifications

Yes No

**1 Secured Environment:**

Location must not be accessible to the general public.

☒ ☐

**2 Environment free from contaminants**

☒ ☐

**3 Dedicated telephone line:**

The phone line should be used solely by the instrument.

☒ ☐

**4 Adequate Ventilation:**

Enough space must be provided for the instrument and the printer to allow for adequate ventilation.

☒ ☐

**5 Stable temperature controls:**

The instrument should not be exposed to direct sources of temperature variation.

☒ ☐

**6 115VAC power source:**

Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.

☒ ☐

**7 Room Condition:**

The site should be free of excessive moisture, heat and dust.

☒ ☐

Old serial no. New serial no.

E-Seek  
Keyboard  
Printer  
UPS

Supplies  
Mouthpieces  
Certificates of Analysis  
Operator Worksheet  
Other:

Maintenance (if any)

Firmware/software upgrade.

Comments (if any)

Instrument Serial Number 010434

Certification Date 10/8/2013

Instrument Barometer (mm HG) 760

Reference Barometer (mm HG) 761

Reference Barometer(RB)Serial # 009113

RB Calibration Due 5/8/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.250	0.250	0.242	0.257	Sample 2	0.247
Precision		sample min	sample max	Sample 3	0.246
0.001		0.246	0.247		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.150	0.150	0.145	0.154	Sample 2	0.152
Precision		sample min	sample max	Sample 3	0.152
0		0.152	0.152		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.080	0.080	0.077	0.083	Sample 2	0.080
Precision		sample min	sample max	Sample 3	0.080
0		0.080	0.080		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☒ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG201104-26

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.100	0.100	0.097	0.103	Sample 2	0.099
Precision		sample min	sample max	Sample 3	0.100
0.001		0.099	0.100		0.099

DFS Technician

Heather M. Starns Date

10/9/13

Issuing Analyst

Michael Kennedy Date

10/15/13

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

Issue Date: 4-March-2013

DFS Document 250-F113

Revision 6

Page 2 of 2






COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

hms  
msk

NAME OF ACCUSED <b>INSTRUMENT, TEST,</b>	NAME OF COURT <b>DFS</b>
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY <b>STANTON, HEATHER, M</b>		AGENCY <b>DFS Central Lab</b>
DFS LICENSE NUMBER <b>18910</b>	LICENSE EXPIRES <b>10/01/2014</b>	DATE TEST CONDUCTED <b>10/08/2013</b>
TEST EQUIPMENT NUMBER <b>010434</b>		

RESULTS: TIME SAMPLE TAKEN 11:11 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20 \_\_\_\_\_.

BREATH TEST OPERATOR
----------------------

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_  
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_  
OPERATOR'S SIGNATURE



# IntoxNet MIS Report

Report Generated 08 Oct 2013 at 11:41

AMS  
PWSK

## Test Results

Instrument Serial Number 010434

Test # 000664 Subject Test

Test Location 1 Department of

Test Date 08 Oct 2013

Test Location 2 Forensic Science

Test Time 11:04

Remote/Local Local

Test Location 3

System Check Passed

Operator's Last Name STANTON

Agency DFS Central Lab

Card Serial Number 118910

Subject's Last Name INSTRUMENT

Subject's Middle Initial

Driver's License Number

Driver's License State

End Date 08 Oct 2013

End Time 11:12

Operator's First Name HEATHER

Effective Date 10/01/2012

Subject's Date of Birth 00/00/0000

License Number 18910

Operator's Middle Initial M

Expiration Date 10/01/2014

Subject's First Name TEST

Subject's Sex Male

Driver's License Expiration 00/00/0000

Court Name DFS

Result Date 08 Oct 2013

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 11:05

Data Type BLK

Sample Value 0.000

Sample Time 11:05

Data Type CHK

Sample Value 0.100

Sample Time 11:06

Data Type BLK

Sample Value 0.000

Sample Time 11:07

Data Type SUBJ

Sample Value 0.000

Sample Time 11:08

Data Type BLK

Sample Value 0.000

Sample Time 11:09

Data Type SUBJ

Sample Value 0.000

Sample Time 11:11

Data Type BLK

Sample Value 0.000

Sample Time 11:12

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG206601-14

Standard Expiration Date 03/06/2014

Tank Pressure 267

Barometric Pressure 760 mmHg

Blow Sample Number 1

Blow Duration 3.26 sec

Blow Volume 1788 cc

End-of-Blow Time 11:08

Blow Sample Number 2

Blow Duration 3.34 sec

Blow Volume 1800 cc

End-of-Blow Time 11:11

Tamper Evident Stamp 2cab0e6

Test Status Code 0

Test Status Success

AND  
MSK

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010434      Test Number: 665

Test Date: 10/08/2013      Test Time: 11:13 EDT

Dry Gas Target: 0.100

Lot Number: AG206601-14      Exp Date: 03/06/2014

Tank Pressure: 262 psi      Barometric Pressure: 760 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:13
CHK	0.100	11:14
BLK	0.000	11:16
CHK	0.100	11:17
BLK	0.000	11:18
CHK	0.099	11:19

Test Status: *Success*

Calibration CRC: 3CC96AF8

*Handwritten signatures*

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010434      Test Number: 666

Test Date: 10/08/2013      Test Time: 11:27 EDT

Dry Gas Target: 0.300

Lot Number: AG322702-02      Exp Date: 08/15/2015

Tank Pressure: 125 psi      Barometric Pressure: 760 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	11:28
CHK	0.299	11:28
BLK	0.000	11:30
CHK	0.298	11:31
BLK	0.000	11:32
CHK	0.297	11:33

Test Status: Success

Calibration CRC: 3CC96AF8



HMS  
MSK

**Intox EC/IR-II: Software Version**

*Department of Forensic Science*

Serial Number: 010434

System Date: 10/08/2013

System Time: 12:00 EDT

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

HMS  
N22

**Intox EC/IR-II: Calibration**

*Department of Forensic Science*

Serial Number: 010434      Test Number: 667

Test Date: 10/08/2013      Test Time: 12:03 EDT

Dry Gas Target: 0.100

Lot Number: 0651210013-06      Exp Date: 04/01/2014

Tank Pressure: 654 psi      Barometric Pressure: 759 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:03
CAL	0.100	12:04

Test Status: *Success*

Calibration CRC: A219A2B5

HMS  
MSL

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010434      Test Number: 668  
Test Date: 10/08/2013      Test Time: 12:07 EDT

Technician Initials: HMS

Dry Gas Target: 0.250

Lot Number: 2961225012-08      Exp Date: 11/01/2014

Tank Pressure: 551 psi      Barometric Pressure: 760 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:07
BLK	0.000	12:08
CHK	0.247	12:09
BLK	0.000	12:10
CHK	0.247	12:11
BLK	0.000	12:13
CHK	0.246	12:13
BLK	0.000	12:15

**Success**

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

THO  
ROR

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010434      Test Number: 669

Test Date: 10/08/2013      Test Time: 12:16 EDT

Technician Initials: HMS

Dry Gas Target: 0.150

Lot Number: 0771315013-04      Exp Date: 05/01/2015

Tank Pressure: 90 psi      Barometric Pressure: 760 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:17
BLK	0.000	12:18
CHK	0.152	12:18
BLK	0.000	12:20
CHK	0.152	12:21
BLK	0.000	12:22
CHK	0.152	12:23
BLK	0.000	12:24

**Success**

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

LHO  
risk

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010434      Test Number: 670  
Test Date: 10/08/2013      Test Time: 12:26 EDT

Technician Initials: HMS

Dry Gas Target: 0.080

Lot Number: 06512080I2-04      Exp Date: 04/01/2014

Tank Pressure: 100 psi      Barometric Pressure: 760 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:26
BLK	0.000	12:27
CHK	0.080	12:28
BLK	0.000	12:29
CHK	0.080	12:30
BLK	0.000	12:31
CHK	0.080	12:32
BLK	0.000	12:33

**Success**

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

HMS  
MOBL

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010434      Test Number: 671  
Test Date: 10/08/2013      Test Time: 12:34 EDT

Technician Initials: HMS

Dry Gas Target: 0.020

Lot Number: 0651202011-03      Exp Date: 04/01/2014

Tank Pressure: 174 psi      Barometric Pressure: 759 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:35
BLK	0.000	12:36
CHK	0.019	12:36
BLK	0.000	12:38
CHK	0.019	12:38
BLK	0.000	12:40
CHK	0.019	12:40
BLK	0.000	12:42

**Success**

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

Handwritten initials/signature in the top right corner.

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010434      Test Number: 672

Test Date: 10/08/2013      Test Time: 12:44 EDT

Dry Gas Target: 0.300

Lot Number: AG322702-02      Exp Date: 08/15/2015

Tank Pressure: 110 psi      Barometric Pressure: 760 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:44
CHK	0.301	12:45
BLK	0.000	12:47
CHK	0.299	12:48
BLK	0.000	12:49
CHK	0.299	12:50

Test Status: *Success*

Calibration CRC: A219A2B5



HMS

MSA

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010434      Test Number: 673

Test Date: 10/08/2013      Test Time: 12:53 EDT

Dry Gas Target: 0.100

Lot Number: AG201104-26      Exp Date: 01/11/2014

Tank Pressure: 786 psi      Barometric Pressure: 759 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:54
CHK	0.099	12:54
BLK	0.000	12:56
CHK	0.100	12:57
BLK	0.000	12:58
CHK	0.099	12:59

Test Status: *Success*

Calibration CRC: A219A2B5




COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

AND  
NSH

NAME OF ACCUSED  INSTRUMENT, TEST,	NAME OF COURT  DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY  STANTON, HEATHER, M		AGENCY  DFS Central Lab
DFS LICENSE NUMBER  18910	LICENSE EXPIRES  10/01/2014	DATE TEST CONDUCTED  10/08/2013
TEST EQUIPMENT NUMBER  010434		

RESULTS: TIME SAMPLE TAKEN 13:06 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20 \_\_\_\_\_.

BREATH TEST OPERATOR
----------------------

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_  
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_  
OPERATOR'S SIGNATURE



# IntoxNet MIS Report

Report Generated 09 Oct 2013 at 08:40

AMS  
WMA

## Test Results

Instrument Serial Number 010434

Test # 000674 Subject Test

Test Location 1 Department of  
Test Date 08 Oct 2013

Test Location 2 Forensic Science  
Test Time 13:00  
Remote/Local Local

Test Location 3  
System Check Passed

Operator's Last Name STANTON  
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M  
License Number 18910

Card Serial Number 118910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 08 Oct 2013 End Time 13:08

Result Time 13:06

Result Date 08 Oct 2013

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 13:01

Data Type BLK

Sample Value 0.000

Sample Time 13:01

Data Type CHK

Sample Value 0.099

Sample Time 13:02

Data Type BLK

Sample Value 0.000

Sample Time 13:03

Data Type SUBJ

Sample Value 0.000

Sample Time 13:04

Data Type BLK

Sample Value 0.000

Sample Time 13:05

Data Type SUBJ

Sample Value 0.000

Sample Time 13:06

Data Type BLK

Sample Value 0.000

Sample Time 13:07

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG201104-26

Standard Expiration Date 01/11/2014

Tank Pressure 776

Barometric Pressure 759 mmHg

Blow Sample Number 1 Blow Duration 3.20 sec

Blow Volume 1781 cc End-of-Blow Time 13:04

Blow Sample Number 2 Blow Duration 3.26 sec

Blow Volume 1781 cc End-of-Blow Time 13:06

Tamper Evident Stamp 872b54f9

Test Status Code 0

Test Status Success